

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/000232

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B01J8/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 769 220 A (ZARDI UMBERTO) 6 September 1988 (1988-09-06) figure	1-7
Y	US 5 035 867 A (DANG VU QUANG ET AL) 30 July 1991 (1991-07-30) column 6, line 20-25; figures 1,2	1-7
A	DE 41 20 788 A (HENKEL KGAA) 7 January 1993 (1993-01-07) figures 3-5	1-7
A	US 5 013 426 A (LE PAGE JEAN-FRANCOIS ET AL) 7 May 1991 (1991-05-07) figures 3-4B	1-7
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

1 June 2004

Date of mailing of the international search report

17/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Gruber, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/000232

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 101 16 150 A (MG TECHNOLOGIES AG) 10 October 2002 (2002-10-10) the whole document ---	1-7
A	DE 28 03 945 A (SCHÖBER ROBERT DIPL ING DR TEC) 3 August 1978 (1978-08-03) the whole document -----	1-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/000232

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4769220	A	06-09-1988	CH	666198 A5	15-07-1988
			CA	1271019 A1	03-07-1990
			EP	0222069 A2	20-05-1987
US 5035867	A	30-07-1991	FR	2625692 A1	13-07-1989
			AT	76330 T	15-06-1992
			CA	1335753 C	06-06-1995
			DE	68901535 D1	25-06-1992
			EP	0324670 A1	19-07-1989
			JP	1230989 A	14-09-1989
			JP	2745140 B2	28-04-1998
DE 4120788	A	07-01-1993	DE	4120788 A1	07-01-1993
			WO	9300159 A1	07-01-1993
US 5013426	A	07-05-1991	FR	2633635 A1	05-01-1990
			EP	0405038 A1	02-01-1991
			JP	2060993 A	01-03-1990
			KR	9306816 B1	24-07-1993
DE 10116150	A	10-10-2002	DE	10116150 A1	10-10-2002
			EG	23018 A	31-12-2003
			WO	02079088 A2	10-10-2002
			EP	1385785 A2	04-02-2004
DE 2803945	A	03-08-1978	AT	367722 B	26-07-1982
			AT	56077 A	15-12-1981
			DE	2803945 A1	03-08-1978